STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DEPARTMENT OF NATURAL RESOURCES AMENDED REPORT DIVISION OF OIL, GAS AND MINING															
APPLICATION FOR PERMIT TO DRILL										1. WELL NAME and NUMBER NBU 921-22E4CS					
2. TYPE OF WORK DRILL NEW WELL REENTER P&A WELL DEEPEN WELL DEEPEN WELL										3. FIELD OR WILDCAT NATURAL BUTTES					
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO										5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES					
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.										7. OPERATOR PHONE 720 929-6515					
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217										9. OPERATOR E-MAIL julie.jacobson@anadarko.com					
	AL LEASE NUM L, INDIAN, OR S			11. MINERAL OWNERSHIP FEDERAL INDIAN STATE FEE					12. SURFACE OWNERSHIP FEDERAL INDIAN I STATE FEE						
13. NAME	OF SURFACE	14. SURFACE OWNER PHONE (if box 12 = 'fee')													
15. ADDR	ESS OF SURFA	16. SURFACE OWNER E-MAIL (if box 12 = 'fee')													
	N ALLOTTEE O	R TRIBE NAME		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS					19. SLANT						
(If box 12	? = 'INDIAN') U	te Indian Tribe	CEN .	(Submit Commingling Application) NO				VERTICAL DIRECTIONAL HORIZONTAL							
20. LOCATION OF WELL					FOOTAGES		QTR-QTR		CTION	TOWNSHIP	RANGE		MERIDIAN		
LOCATION AT SURFACE 217				9 FNL 74	FNL 740 FWL		SWNW		22	9.0 S	21.0 E			S	
Top of Uppermost Producing Zone 257:				2 FNL 82	FNL 824 FWL		SWNW		22 9.0 S		21.0 E			S	
					FNL 824 FWL		SWNW		22 9.0 S		21.0 E			S	
21. COUNTY UINTAH 22. DISTANCE TO NEAREST LEASE LINE (Feet) 71 23. NUMBER OF ACRES IN DRILLING UNIT												т			
25. DISTANCE TO NEAREST WE (Applied For Drilling or Comp 41								POOL		26. PROPOSED DEPTH MD: 11185 TVD: 11160					
27. ELEVATION - GROUND LEVEL 4868					28. BOND NUMBER WYB000291					29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496					
			า												
String	Hole Size	Casing Size	Length	Weight	Grade & T	hread	Max Mu	Max Mud Wt.		Cement		Sacks	Yield	Weight	
Surf	11	8.625	0 - 2860	28.0	J-55 LT	Г&С	C 0.2			Type V		180	1.15	15.8	
Prod	7.875	4.5	0 - 11185	11.6	HCP-110	LT&C	13	5.0	Class G Premium Lite High Strength		nath	350	3.38	15.8	
	7.0.0	0	0 11100		1.6		-			50/50 Poz		1590	1.31	14.3	
ATTACHMENTS															
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES															
WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER								COMPLETE DRILLING PLAN							
AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)							FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER								
DII	RECTIONAL SU	RVEY PLAN (IF DIR	ECTIONALLY OR	TOPOGRAPHICAL MAP											
NAME Laura Abrams TITLE Regulatory Anal						II PHONE			PHONE 7	E 720 929-6356					
SIGNATURE					DATE 04/27/2012 EN				EMAIL La	AIL Laura.Abrams@anadarko.com					
API NUMBER ASSIGNED 43047525740000					APPROVAL					Deylll					
		Permit Manager													

